

CLASSIFIED MESSAGE

Approved For Release 2002/11/15 : CIA-RDP66B00728R000300080043-2

DATE 2016Z 13 SEP 63

SECRET

ROUTING			
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NRO REVIEW COMPLETED

TO : DIRECTOR

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FROM :

ACTION:

OSA 1-15

INFO :

DOCUMENT NO.

NO CHANGE IN CLASS. ☒

☐ DECLASSIFIED

CLASS. CHANGED TO: TS S O 2011

NEXT REVIEW DATE:

AUTH: HR 70-2

DATE: 17/7/81 REVIEWER:

PRIORITY

25X1

IN-91184

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TOR: 2137Z 13 SEP 63

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TO

PRIORITY

INFO

CITE

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REF: WEEKLY TWX REPORT

PROGRAM STATUS REPORT AS OF 13 SEPTEMBER 63. UNIT ACCEPTANCE AND SPECIAL TESTING STATUS AS FOLLOWS:

HAPL-8 LENS - INITIAL LENS-ONLY TESTING IN THE DRT GAVE A VACUUM TO ATMOSPHERE FOCUS SHIFT ANOMOLY AND DEGRADED STATIC PHOTO RESULTS. THIS WAS CHECKED WITH HAPL-12 WITH SIMILAR RESULTS, HOWEVER, RETESTING ON THE MANN BENCH INDICATED NORMAL VACUUM SHIFT CHARACTERISTICS OF HAPL-8. AS A RESULT THE DRT HAS BEEN MODIFIED TO USE A NEW 240 INCH FOCAL LENGTH PARABOLA AND COMPLETELY REALIGNED. TESTING OF HAPL-8 AT ATMOSPHERE DONE LAST NIGHT AND THIS MORNING IN THE DRT INDICATES A LENS-ONLY STATIC PERFORMANCE OF APPROXIMATELY 140 LINES.

A FOUR FOOT ADDITIONAL TUBE SECTION MUST BE ADDED TO THE DRT

SECRET

GROUP 1  
Excluded from automatic  
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PAGE TWO

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FOR FULL VACUUM OPERATION. THIS IS NOW BEING PROCURED, HOWEVER, AN ATTEMPT IS BEING MADE TO DETERMINE VACUUM SHIFT CHARACTERISTICS BY INSTALLATION OF A WINDOW BETWEEN THE MAIN TANK AND THE COLLIMATOR TUBE. THIS HAS BEEN INSTALLED AND TESTS ARE UNDER WAY. THE FOUR FOOT TUBE SECTION IS EXPECTED TO ARRIVE AND BE AVAILABLE TOMORROW AT WHICH TIME IT WILL BE INSTALLED.

UNIT 6 - IT IS PRESENTLY PLANNED TO INSTALL HAPL-8 UPON COMPLETION OF THE CURRENT LENS-ONLY TESTS VERIFYING VACUUM FOCUS SHIFT. THIS TESTING IS SCHEDULED TO BE COMPLETE BY NOON TOMORROW. UNIT LENS AND MIRROR INSTALLATION AND ALIGNMENT WILL COMMENCE IMMEDIATELY AND BE COMPLETE NOON SUNDAY, 15 SEPTEMBER. ACCEPTANCE TESTING CONSISTING OF TP49984, A DR. "A" TEST FOR FILM FLATNESS AND A 15-MINUTE TRACKING VERIFICATION IS SCHEDULED TO BE COMPLETE ON TUESDAY, 17 SEPTEMBER.

A COLD PORT THERMAL TEST WITH THE LENS CELL AT AN UPPER LIMIT OF 90 DEGREES F WILL BE CONDUCTED UPON COMPLETION OF ACCEPTANCE TO VERIFY LENS PERFORMANCE AT HIGH TEMPERATURES. THIS TEST IS CONSIDERED MANDATORY BY BOTH [ ] AND SE.

ON-DOCK DELIVERY IS SCHEDULED FOR FRIDAY, 20 SEPTEMBER.

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END OF MESSAGE

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